

Product datasheet

Specifications



Switch disconnecter, MasterPact NT16HA, 1600A, 75kA/440VAC 50/60Hz (Icm), 4 poles, fixed

47168

Main

Range	MasterPacT
Product name	MasterPact NT
Product or component type	Switch disconnecter
Device short name	MasterPact NT16
Switch-disconnector name	MasterPact NT16HA
Device application	Protection
Poles description	4P
Network type	AC
Network frequency	50/60 Hz
[Ie] rated operational current	1600 A AC 50/60 Hz 690 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-3
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-3
[Icm] rated short-circuit making capacity	75 kA 220...690 V AC at 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3
Breaking capacity code	HA
Suitability for isolation	Yes conforming to IEC 60947-3
Contact position indicator	Yes
Visible break	No
Pollution degree	3 conforming to IEC 60664-1

Complementary

Control type	Push-button
Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
Operating rate	10 cyc/h maximum
[Icw] rated short-time withstand current	36 kA during 0.5 s conforming to IEC 60947-3 36 kA during 1 s conforming to IEC 60947-3 20 kA during 3 s conforming to IEC 60947-3
Mechanical durability	12500 cycles without maintenance conforming to IEC 60947-3

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical durability	AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-3
Connection pitch	70 mm
Height	301 mm
Width	346 mm
Depth	196 mm
Net weight	18 kg

Environment

Standards	IEC 60947-3
Product certifications	LCIE ASEFA
Ambient air temperature for operation	-5...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	41.0 cm
Package 1 Width	39.0 cm
Package 1 Length	30.0 cm
Package 1 Weight	19.242 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	1 517 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	215 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	16 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1 232 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	49 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
SCIP Number	27fdc503-4522-4881-a1c6-58cfc3a5b0b0
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Halogen free plastic parts product
PVC free	Yes
Silicone-free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	70
End of life manual availability	End of Life Information
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

